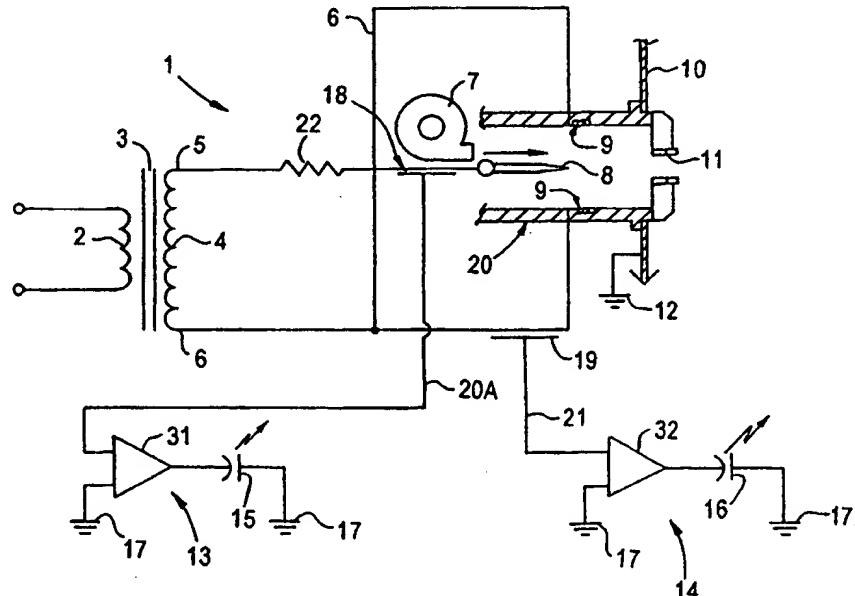


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## (54) Title: SELF-BALANCING IONIZER MONITOR



## (57) Abstract

A monitor apparatus and corresponding method of monitoring high voltage alternating current in the emitter and reference circuits of ionizers. The monitor is capacitively coupled to the emitter and reference circuits to detect faults without affecting the ionizer operation. Faults are displayed on a light emitting diode display. In an alternative embodiment, faults may be indicated by output signals. The output signals are used to automatically adjust the ionizer operation.